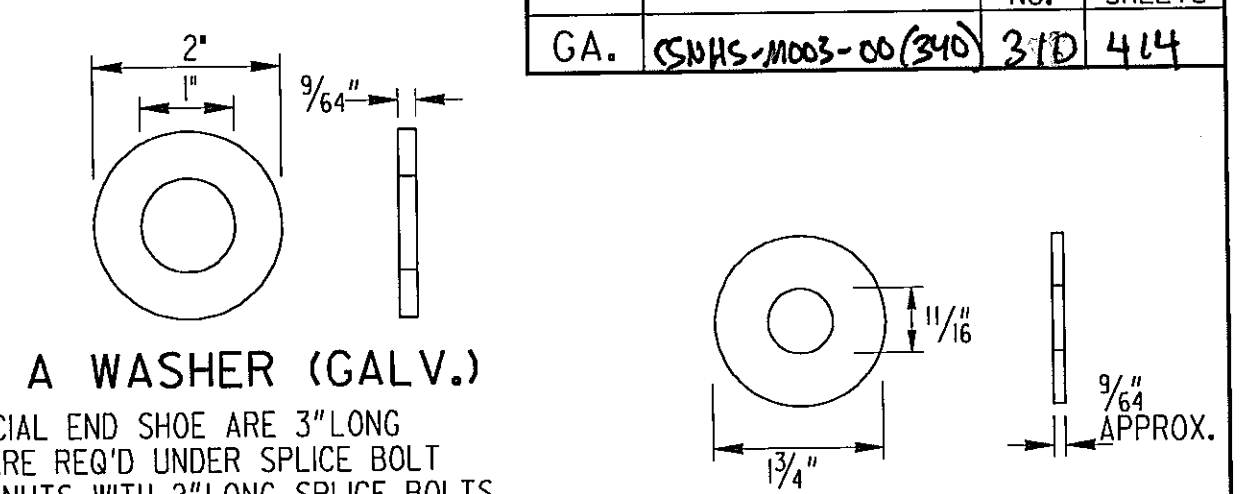


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STEEL WASHER (GALV.)  
(REQ'D. UNDER 5/8" HEX BOLT  
HEADS, UNDER HEX NUTS AND  
AS SPECIFIED)

5/8" DIA. HEX BOLT & HEX NUT  
(TO BE USED ONLY FOR ATTACHING

Technical drawing of a 3/16 inch NC2 nut and washer assembly. The drawing includes a top view of the nut, a side view of the nut, a side view of the washer, and a side view of the assembly. Dimensions are given in inches. The nut has a major diameter of 3/16 inch and a thread of NC2. The washer has an outer diameter of 3/4 inch, an inner diameter of 3/16 inch, and a thickness of 3/16 inch. The assembly shows the nut and washer on a 1/4 inch thick plate with a 3/16 inch hole.

RECESS NUT      RECTANGULAR WASHER (GALV.)  
(FOR USE AT TERMINAL POST OR  
WHERE SPECIFIED)

1. SPECIFICATIONS: GEORGIA STANDARD CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. NUTS, BOLTS, WASHERS, RAIL, TERMINAL SECTIONS, END SHOES, BACK-UP PLATES, END SECTIONS AND OTHER GUARDRAIL HARDWARE ARE IN ACCORDANCE WITH THE CURRENT ARTBA TECHNICAL BULLETIN NO. 268 -- UNLESS SPECIFIED OTHERWISE, DIMENSIONS FOR POSTS AND OFFSET BLOCKS WILL BE ACCORDING TO GA. STANDARD 401A.
3. FOR DETAILS OF GUARDRAIL ANCHORAGES, SEE APPLICABLE STANDARDS AND/OR CONSTRUCTION DETAILS.
4. FOR LOCATION OF GUARDRAIL SEE APPLICABLE LOCATION STANDARDS.
5. ALL STEEL HARDWARE COMPONENTS WILL BE GALVANIZED AFTER FABRI-CATION. GALVANIZING REPAIR COMPOUND (SEC. 645) WILL BE FIELD APPLIED TO ANY COATINGS DAMAGED.
6. WHEN GUARDRAIL IS REQUIRED ON CURVES WITH RADII LESS THAN 150', PRECURVED RAIL WILL BE REQUIRED.
7. PAYMENT FOR GUARDRAIL (Type \*W\*) TO INCLUDE OFFSET BLOCKS, POST, BACK-UP PLATES WHERE REQUIRED, BOLTS, NUTS, WASHERS, TERMINAL SEC-TIONS, ADDITIONAL POST WHERE REQUIRED, & REMOVAL AND REPLACEMENT OF PORTIONS OF MEDIAN PAVING, SPILLWAYS, OR CATCH BASINS WHERE NECESSARY.
8. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
9. STANDARD NET LENGTH OF RAIL ELEMENTS MAY BE EITHER 12'-6" OR 25'-0". THESE LENGTHS SHALL BE ARRANGED TO PROVIDE AS NEARLY AS POSSIBLE THE REQUIRED LENGTH FOR EACH INSTALLATION.

SEE STD. 401A FOR POST & OFFSET BLOCK DETAILS

GUARDRAIL POST (TYPE "D" SHOWN.)

8" NOMINAL

VAR.  $1\frac{1}{2} \pm$  OR  $1 \frac{1}{2}$  TYP.

25%\*

3/4"

1/8"

12 1/4"

12" MIN

RECESS

NUTS

HEX NUT & STEEL WASHER OR RECESS NUT WITHOUT WASHER

3/4" DIA. HOLE

25%\*

3/4"

VAR. 6" x 8" (NOMINAL) PLASTIC OFFSET BLOCK

5/8" BUTTON HEAD BOLT (ONE PER BLOCK)

NOTE: WOOD OFFSET BLOCKS ALLOWABLE WHERE SPECIFIED

W" BEAM SPLICE AT

NOTE: OFFSET BLOCKS FOR "W" BEAM GUARDRAIL WILL  
BE PLASTIC EXCEPT WHERE SPECIFIED OTHERWISE.

The diagram illustrates a double-faced guardrail system. On the left, a dashed box contains the text "IMPACT ATTENUATOR, MEDIAN BARRIER, ETC. WITH TRANSITION". To the right of this is a "POST". Further right, "OFFSET BLOCKS" are shown between the post and the guardrail. The guardrail itself is labeled "PAY LENGTH DOUBLE FACED GUARDRAIL (Type 'W')". A dimension line above the guardrail indicates a length of "6'-3\"". On the right end of the guardrail, a "POST BOLT SLOT" is indicated with an arrow pointing to the slot.

NOTE:  
UNLESS SPECIFIED OTHERWISE, ALL  
REFERENCES TO GUARDRAIL ON  
STANDARDS AND/OR CONSTRUCTION  
DETAILS WILL MEAN "W" BEAM GUARD-  
RAIL AS SHOWN ON THIS STANDARD.

Diagram of a 180-degree bend in a 2-inch pipe. The bend has a minimum radius of 11 feet. The straight sections are dimensioned as 2'-6" +/- and 8 1/2". The end of the straight section is dimensioned as 2 1/4" OR 2".

NOTE: THE "W" BEAM RAIL ELEMENT/END SHOE SPICE SHALL BE LAPPED IN THE DIRECTION OF THE NEAREST TRAFFIC.

(TO BE USED WITH SPECIAL END SHOE CONNECTION  
UNDER NUTS & WASHERS ON BACK OF BRIDGE  
END POST OR BACK OF CONCRETE SIDE BARRIER)  
(FOUR 3" x 1/2" x 3" GALV. PLATES WITH 1" DIA. HOLE  
CENTERED, MAY BE USED AS AN ALTERNATE)

⊙ APPLIES ONLY TO END SHOE WITH BUFFERED  
END ASSEMBLY OF ANCHORAGE.

▽ \*W\* BEAM END CONNECTIONS ARE NOT PERMITTED AT APPROACHES TO CONCRETE STRUCTURES. SEE SEPARATE STANDARDS FOR REQUIRED \*T\* BEAM CONNECTIONS.